

Recombinant Human IGF2 Protein (30-180 aa), GST-tagged

Cat. No. IGF2-1220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF2 Protein (30-180 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	30-180 aa
Description	The insulin-like growth factors possess growth-promoting activity. In vitro, they are potent mitogens for cultured cells. IGF-II is influenced by placental lactogen and may play a role in fetal development. Preptin undergoes glucose-mediated co-secretion with insulin, and acts as physiological amplifier of glucose-mediated insulin secretion. Exhibits osteogenic properties by increasing osteoblast mitogenic activity through phosphoactivation of MAPK1 and MAPK3.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	44.1 kDa
AA Sequence	ETLCGGELVDTLQFVCGDRGFYFSRPASRVSRRSRGIVECCFRSCDLALLETYCA TPAKSERDVSTPPTVLPDNFPRYPVGKFFQYDTWKQSTQRLRRGLPALLRARRGHV LAKELEAFREAKRHRPLIALPTQDPAHGGAPPEMASNRK

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

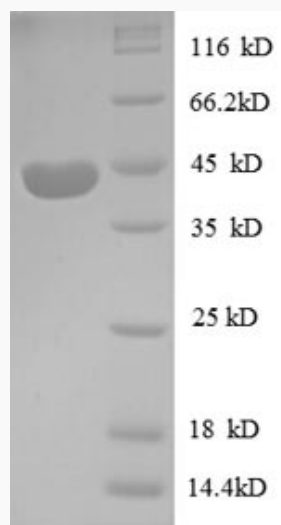
GENE INFORMATION

Gene Name	IGF2 insulin like growth factor 2 [Homo sapiens (human)]
Official Symbol	IGF2
Synonyms	GRDF; IGF-II; PP9974; C11orf43;
Gene ID	3481
UniProt ID	P01344

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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